

CLAIMS

1. A method of production of stratified, differentiated mammalian urothelium in which urothelial cells, isolated from the mammalian body, are passaged  
5 through a nutrient medium containing the components of serum and redispersed before going on in a like medium to form said urothelium.
2. The method of Claim 1 wherein the mammalian urothelium is human urothelium.
3. The method of either Claim 1 or Claim 2 in which the serum is bovine serum.
- 10 4. The method of Claim 3 in which the serum is adult bovine serum.
5. The method of any of the preceding Claims in which the concentration of the components of serum as a proportion of the final volume of nutrient medium is between about 1% and about 30% related to the concentration of said components in whole serum.
- 15 6. The method of any of Claim 1 to Claim 4 in which the concentration of the components of serum as a proportion of the final volume of nutrient medium is between about 3% and about 10% related to the concentration of said components in whole serum.
- 20 7. The method of any of Claim 1 to Claim 4 wherein the concentration of the components of serum as a proportion of the final volume of nutrient medium is between about 4% and about 6% related to the concentration of said components in whole serum.
8. The method of any of the preceding Claims wherein the nutrient medium is, or is a derivative of, MCDB-153 medium.
- 25 9. The method of any of Claim 1 to Claim 7 wherein the nutrient medium is KSFM (Keratinocyte Serum Free Medium).
10. The method of any of the preceding Claims wherein the nutrient medium is supplemented by one or more of Epidermal Growth Factor (EGF); Bovine Pituitary Extract (BPE); Cholera Toxin (CT).

11. A method of production of stratified, differentiated mammalian urothelium substantially as described herein.
12. Urothelium produced by the method of any of the above Claims.